CLAIMS

1. Impact attenuating device (1) for a vehicle (2), comprising a front part (3) with a wheel (31), for connection to the vehicle (2), an attenuating part (4), and a rear part (5), characterised by that an extension device (6) is arranged between the front part (3) and the attenuating part (4).

2. Impact attenuating device (1) according to claim 1, characterised by that the front part (3) is connected to the vehicle (2), preferably to the vehicles frame side member, such that during a collision against the attenuator (1) the forces is transferred to the vehicle (2).

3. Impact attenuating device (1) according to any of the claims 1-2, characterised by that the extension device (6) in a first position arranges the attenuator in a transporting position, and in a second position arranges the attenuator in an operating position.

4. Impact attenuating device according to claim 3, characterised by that the extension device (6) in the first position extends the attenuator (4) from the front part (3).

5. Impact attenuating device according to claim 4, characterised by that the extension device (6) in the second position arranges the attenuating part (4) against the front part (3) such that forces from a collision against the attenuator is transferred to the vehicle.

6. Impact attenuating device according to any of the claims 1-5, characterised by that the extension device (6) comprises a hydraulic telescopic device (61).

7. Impact attenuating device according to claim 6, characterised by that the telescopic device (61) is connected to the front part (3) via a vertical joint (62), and to the attenuating part (4) via a horizontal joint (63).

8. Impact attenuating device according to any of the claims 1-5, characterised by that the extension device (6) comprises a boom (104), arranged to a link arm (101), such that a cylinder (100) acting on the link arm moves the attenuating part (4) out to a transport position and/or pulls the attenuating part (4) into an operating position.

9. Impact attenuating device according to claim 8, characterised by that the boom (104) is connected to the front part (3) through a vertical- and horizontal joint (103), such that the attenuating part (4) is movable as a trailer.

10. Impact attenuating device according to any of the claims 1-9, characterised by that the rear part (5) comprises an operation wheel (51) with a pivot function, for use in the operating position, and two transport wheels (52) for use in transporting position.

11. Impact attenuating device according to claim 10, characterised by that the operating wheel (51) is in a lowered position in operating position, and in a raised position in transport position.

12. Impact attenuating device according to claim 10, characterised by that the transportation wheels (52) is in a raised position in the operating position, and in a lowered position in the transportation position.

13. Impact attenuating device according to any of the claims 1-12, characterised by that the impact attenuator (1) comprises an internal hydraulic system (10), such that the vehicles and impact attenuators hydraulic fluids are kept separate.

14. Impact attenuating device according to any of the claims 1-13, characterised by that the front part (3) comprises two wheels (31) with a pivot function.

15. Impact attenuating device according to any of the claims 1-14, characterised by that a docking device (7,8) is arranged in the front part (3) and in the attenuating part (4) to secure the rigidity.